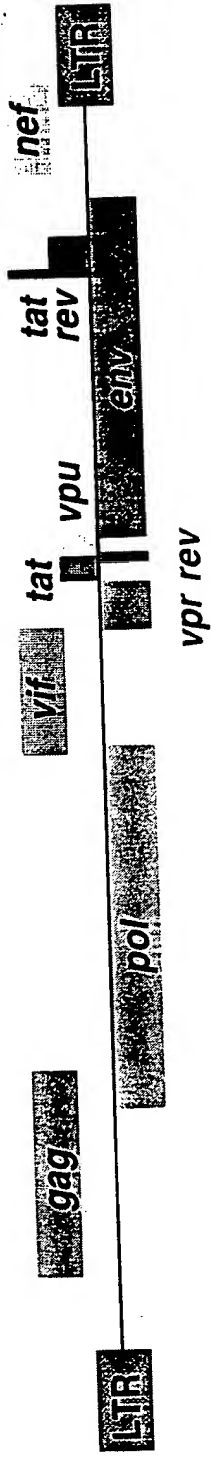


Resistance Test Vector

HIV-1



Resistance Test Vector

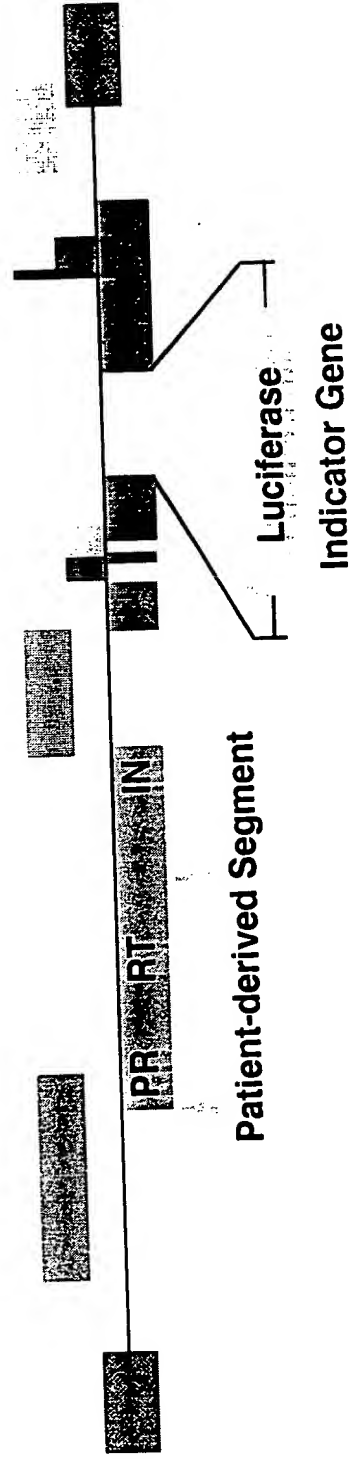


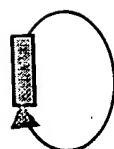
FIGURE 1

BEST AVAILABLE COPY

Two Cell Assay

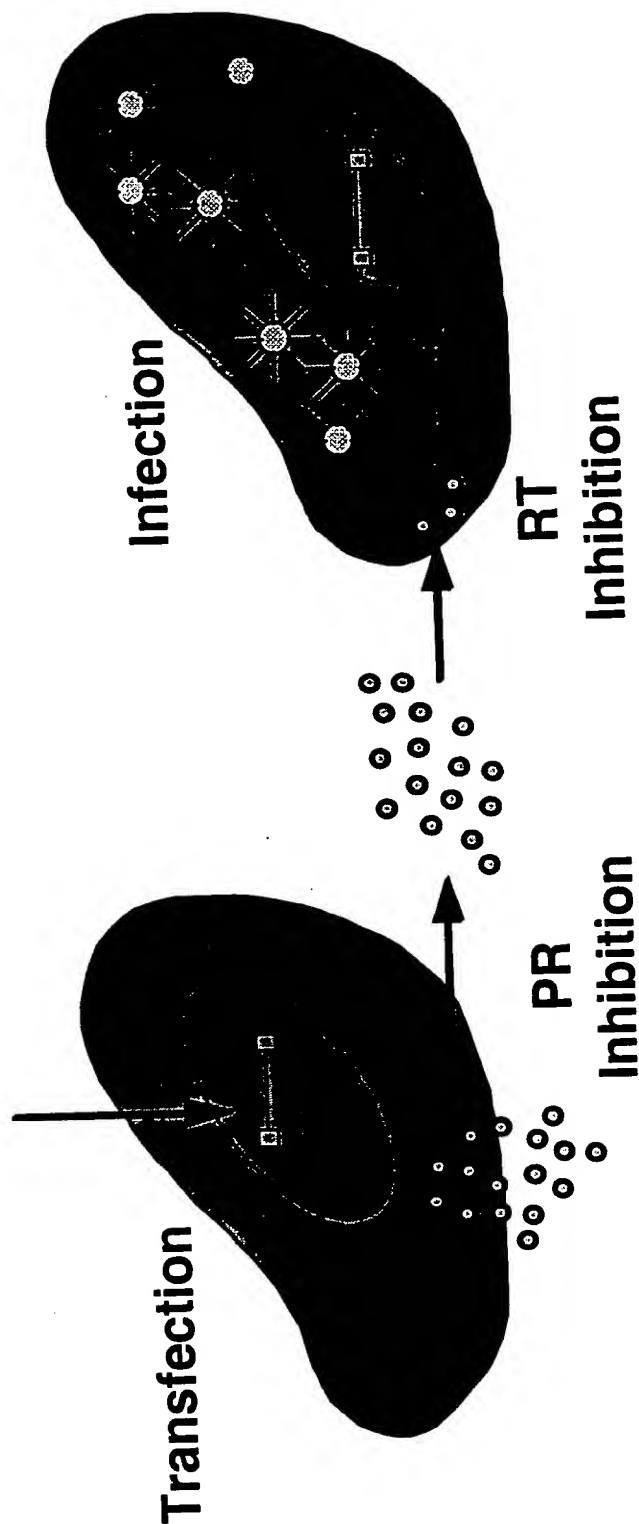
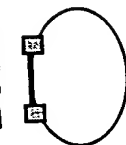
Resistance Test Vector A-MLV env

DNA



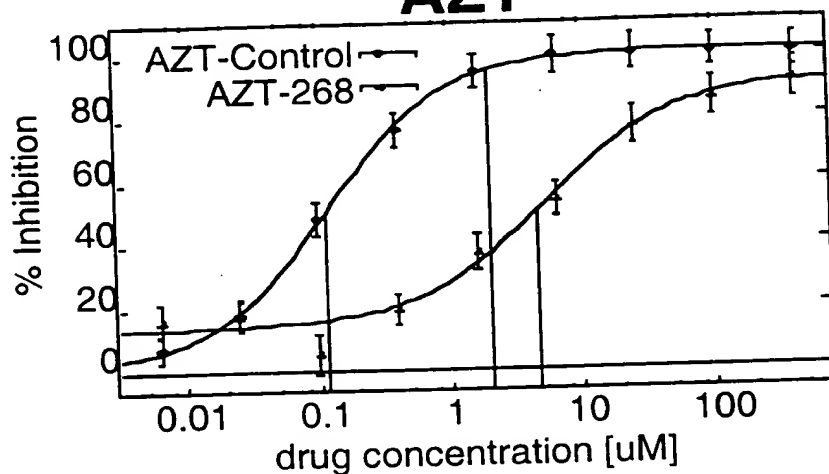
+

DNA

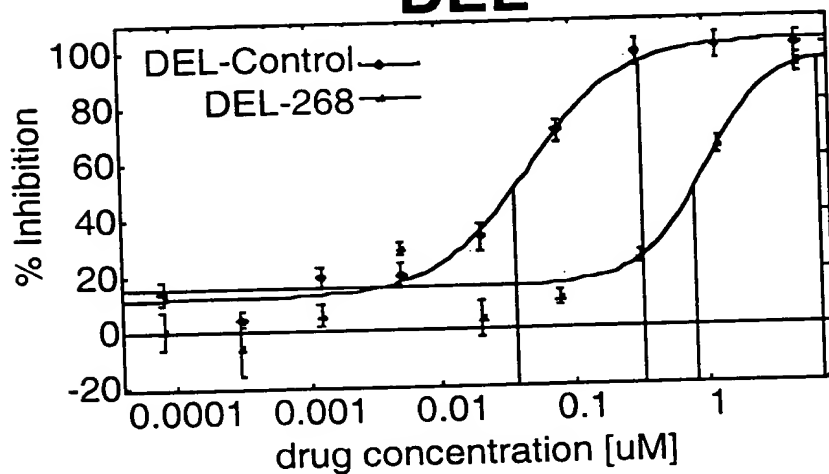


Drug Resistance: NRTI, NNRTI, PI

AZT



DEL



RTV

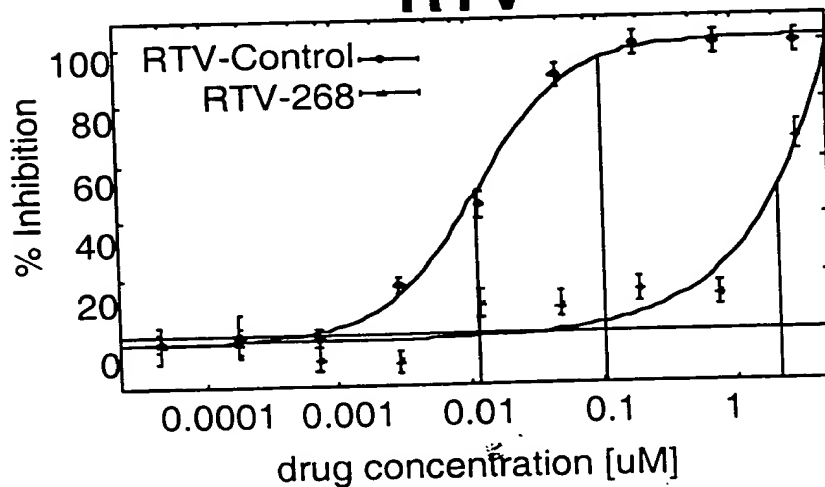


FIGURE 3

Drug Susceptibility Test Profile: Patient 487

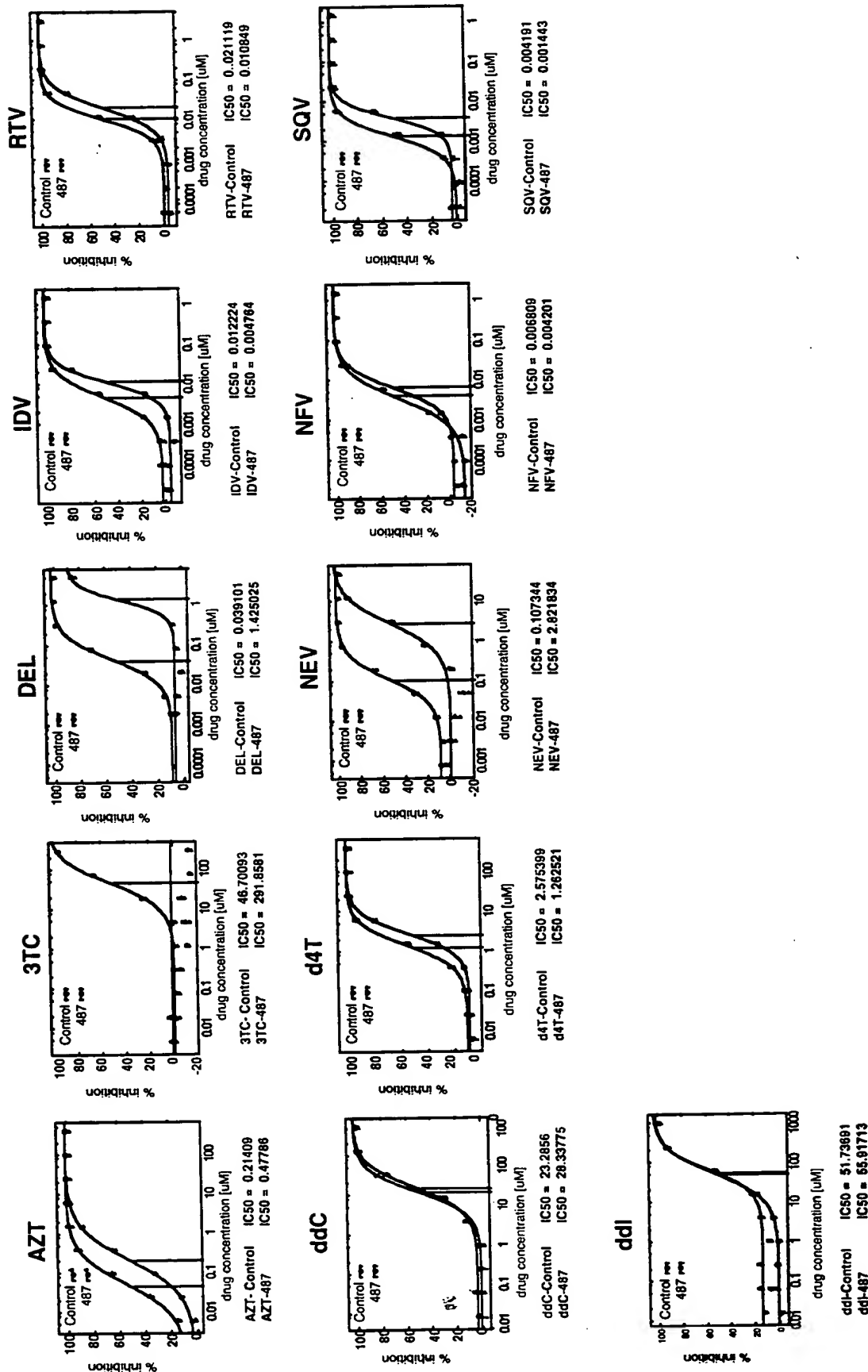


FIGURE 4

Nevirapine

Legend: □ Control, ○ K103N, △ Y181C, ▣ K103N+Y181C

Y-axis: Inhibition %

X-axis: drug concentration [μM]

IC50 values:

- NEV-Control: IC50 = 0.096
- NEV-K103N: IC50 = 2.09
- NEV-Y181C: IC50 = 3.11
- NEV-K103N+Y181C: IC50 = >100

Delavirdine

Legend: □ Control, ○ K103N, △ Y181C, ▣ K103N+Y181C

Y-axis: % inhibition

X-axis: drug concentration [μM]

IC50 values:

- DEL-Control: IC50 = 0.035139
- DEL-K103N: IC50 = 2.396154
- DEL-Y181C: IC50 = 0.792721
- DEL-K103N + Y181C: IC50 = >>>>>>

FIGURE 5

Drug Susceptibility Test Profile: Patient 268

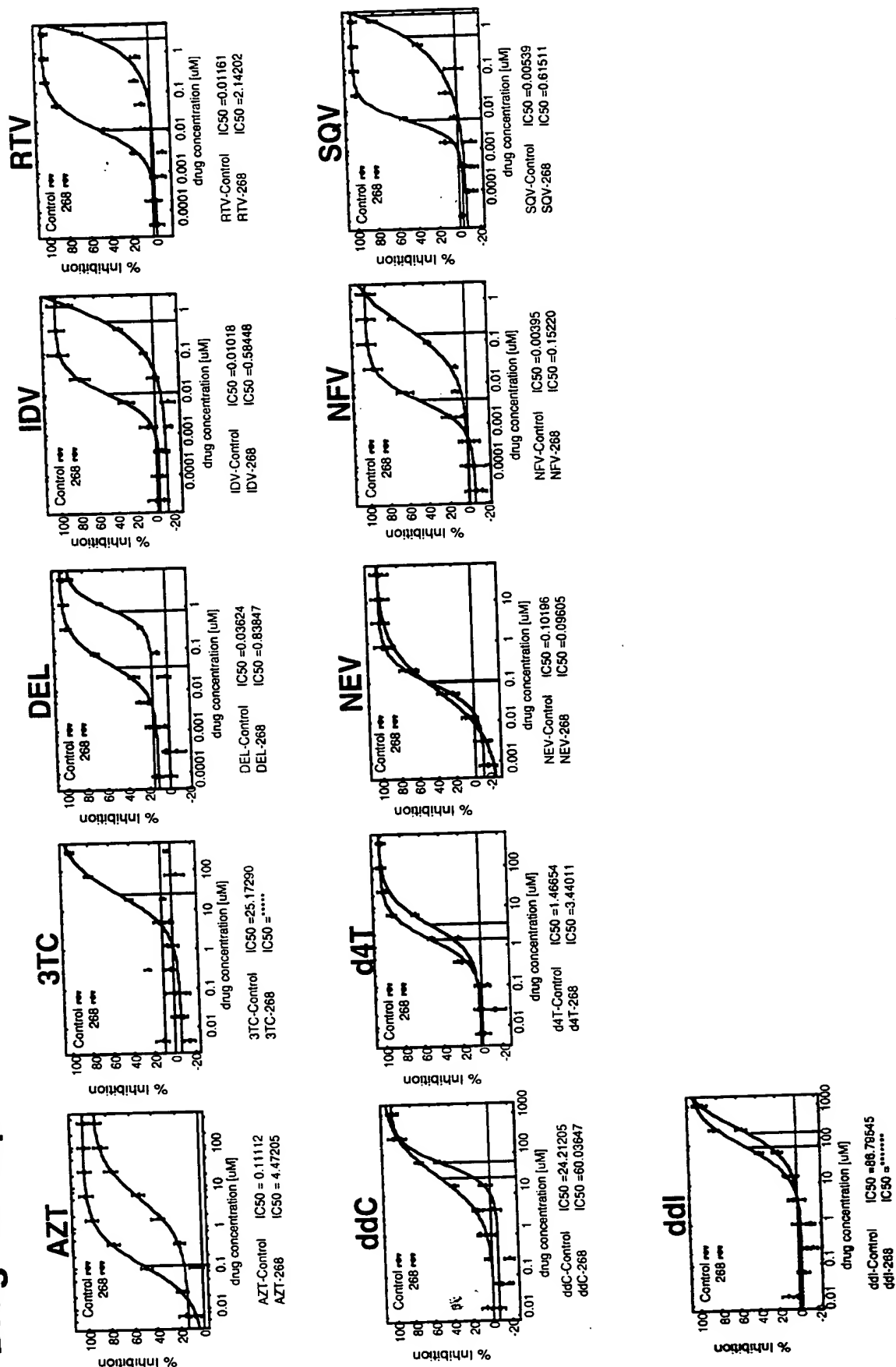


FIGURE 6

Drug Concentration (μM)	% Inhibition (Control)	% Inhibition (P236L)
0.0001	0	0
0.0002	0	0
0.0005	0	0
0.001	10	0
0.002	25	0
0.005	55	0
0.01	80	0
0.02	90	0
0.05	95	0
0.1	98	0
0.2	100	0
0.5	100	0
1.0	100	0

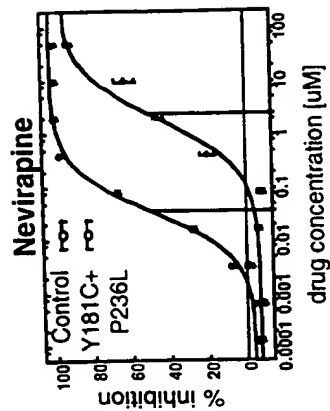
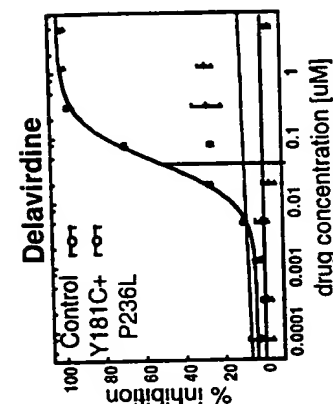
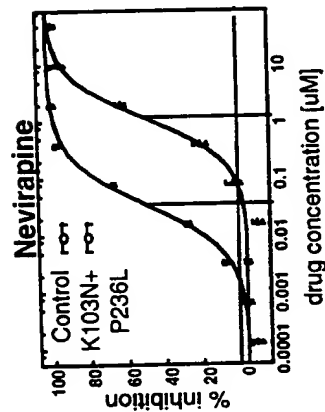
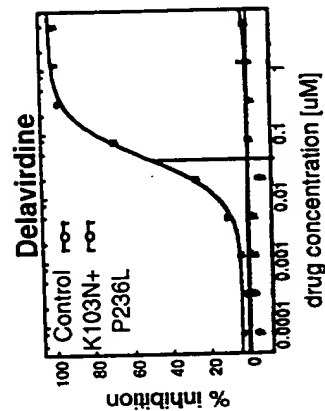
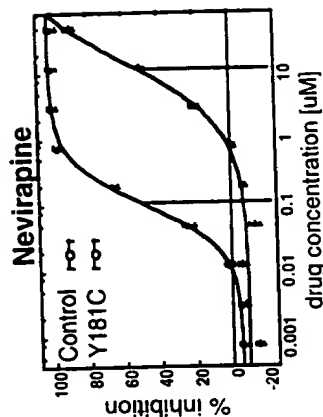
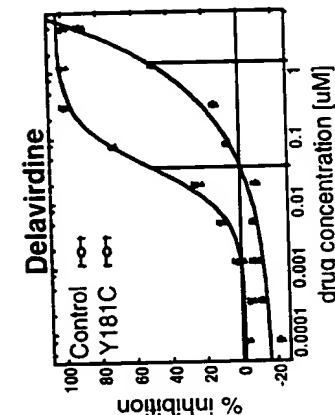
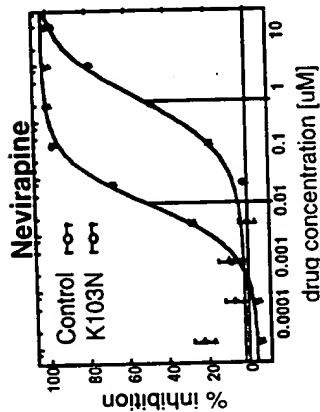
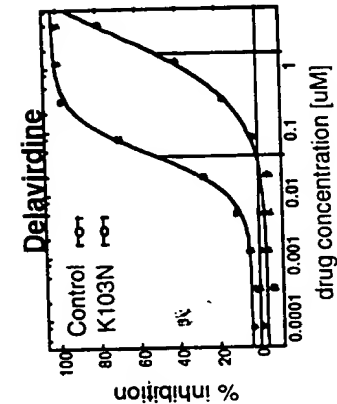
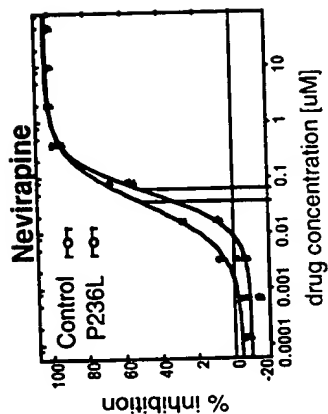


FIGURE 7

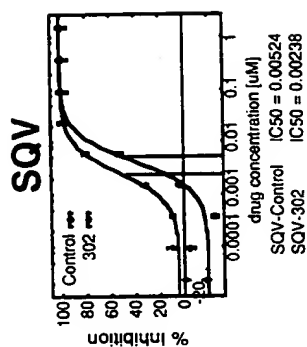
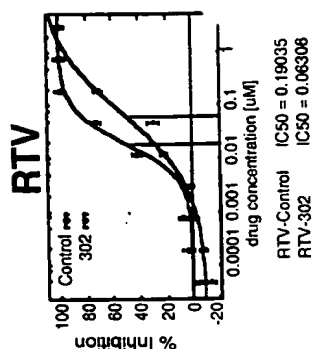


FIGURE 8A

Drug Susceptibility Test Profile: Patient 780

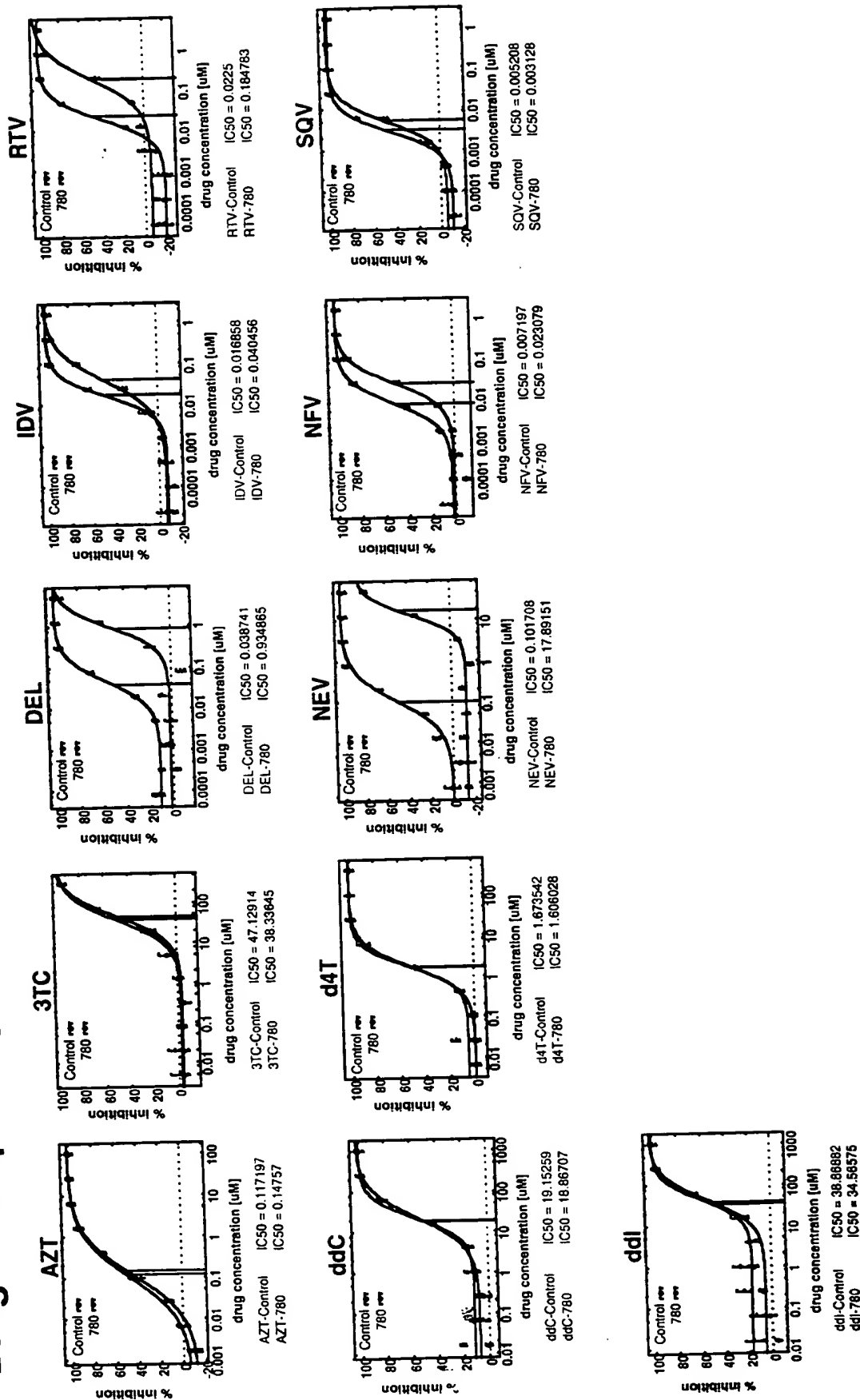


FIGURE 8B

Drug Susceptibility Test Profile: Patient 302 Virus Clones

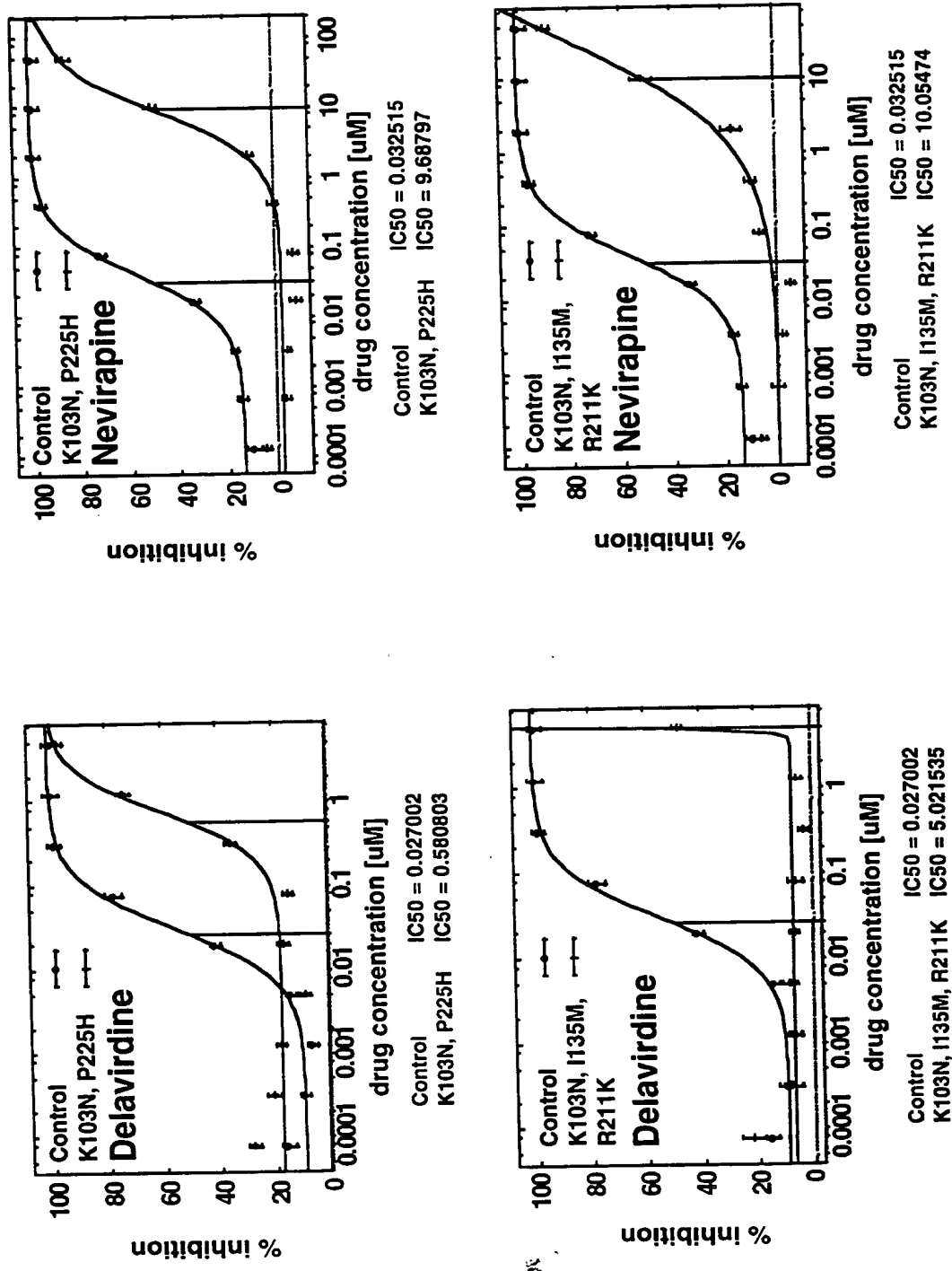
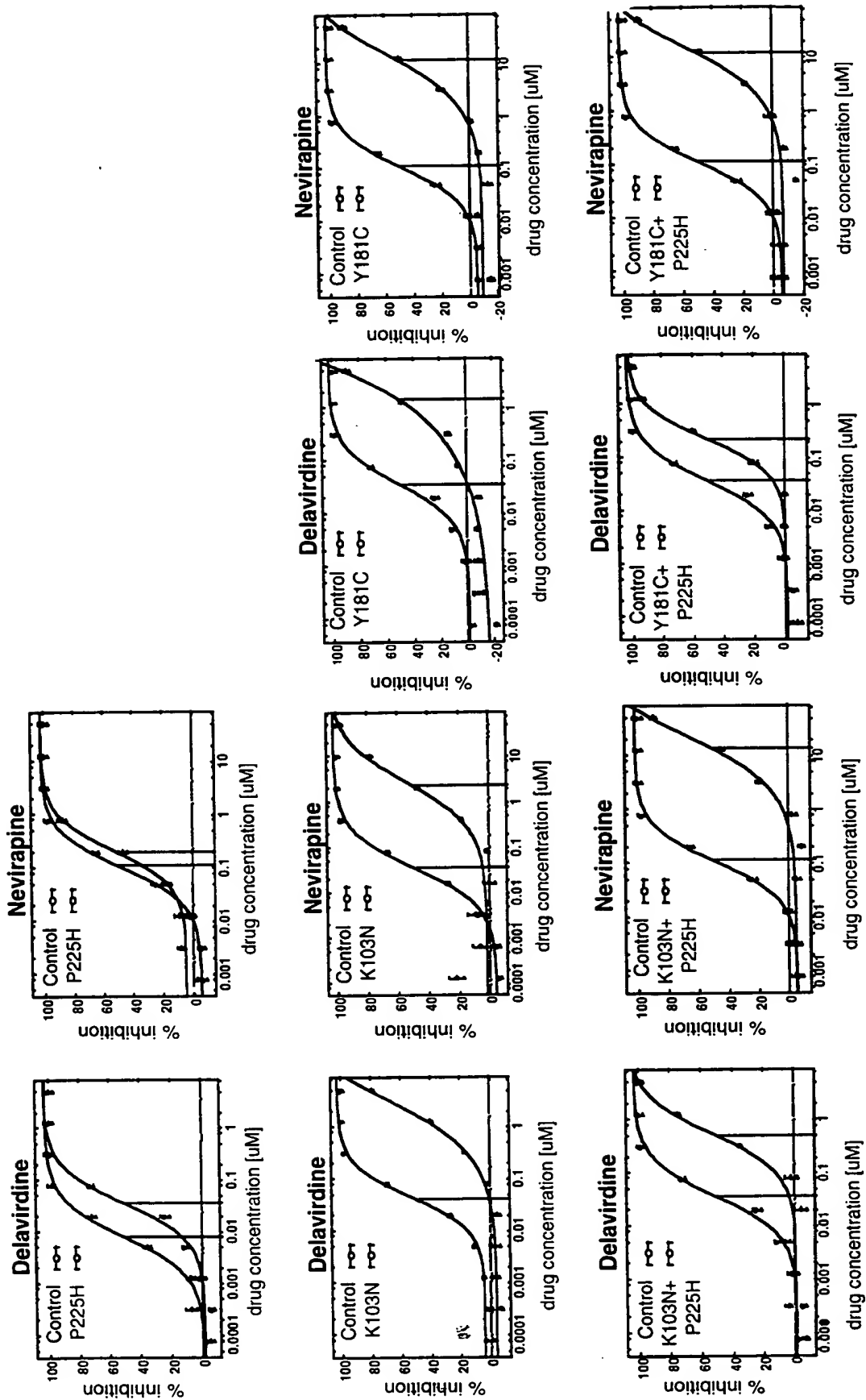
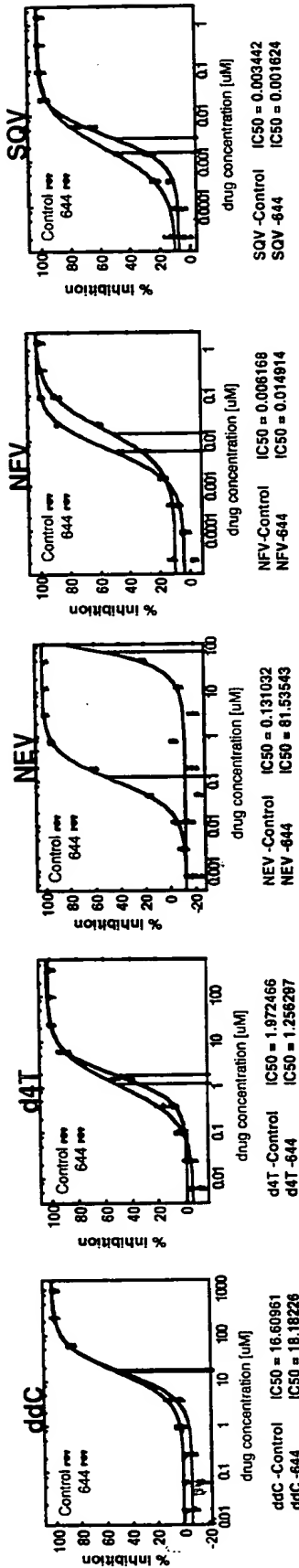
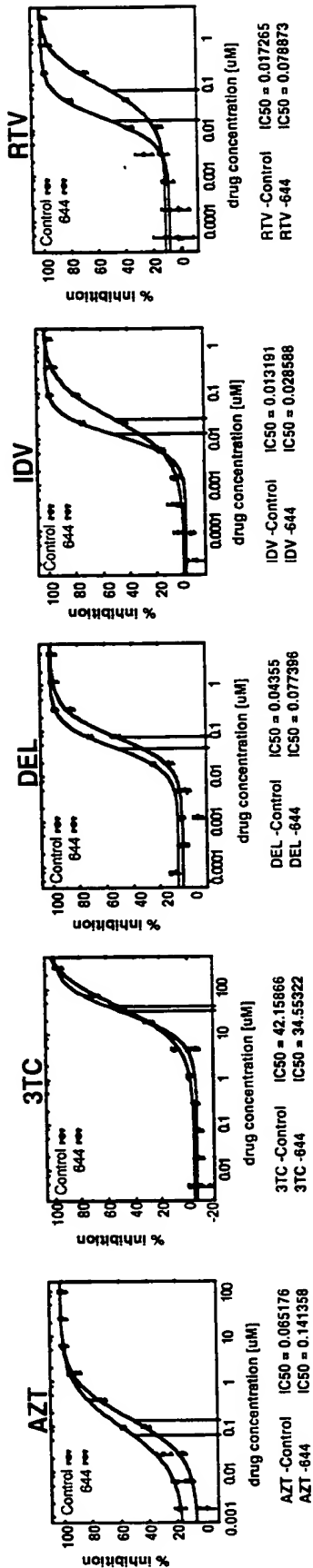


FIGURE 8C

Drug Susceptibility Test Profile: Site Directed Mutants



Drug Susceptibility Test Profile: Patient 644



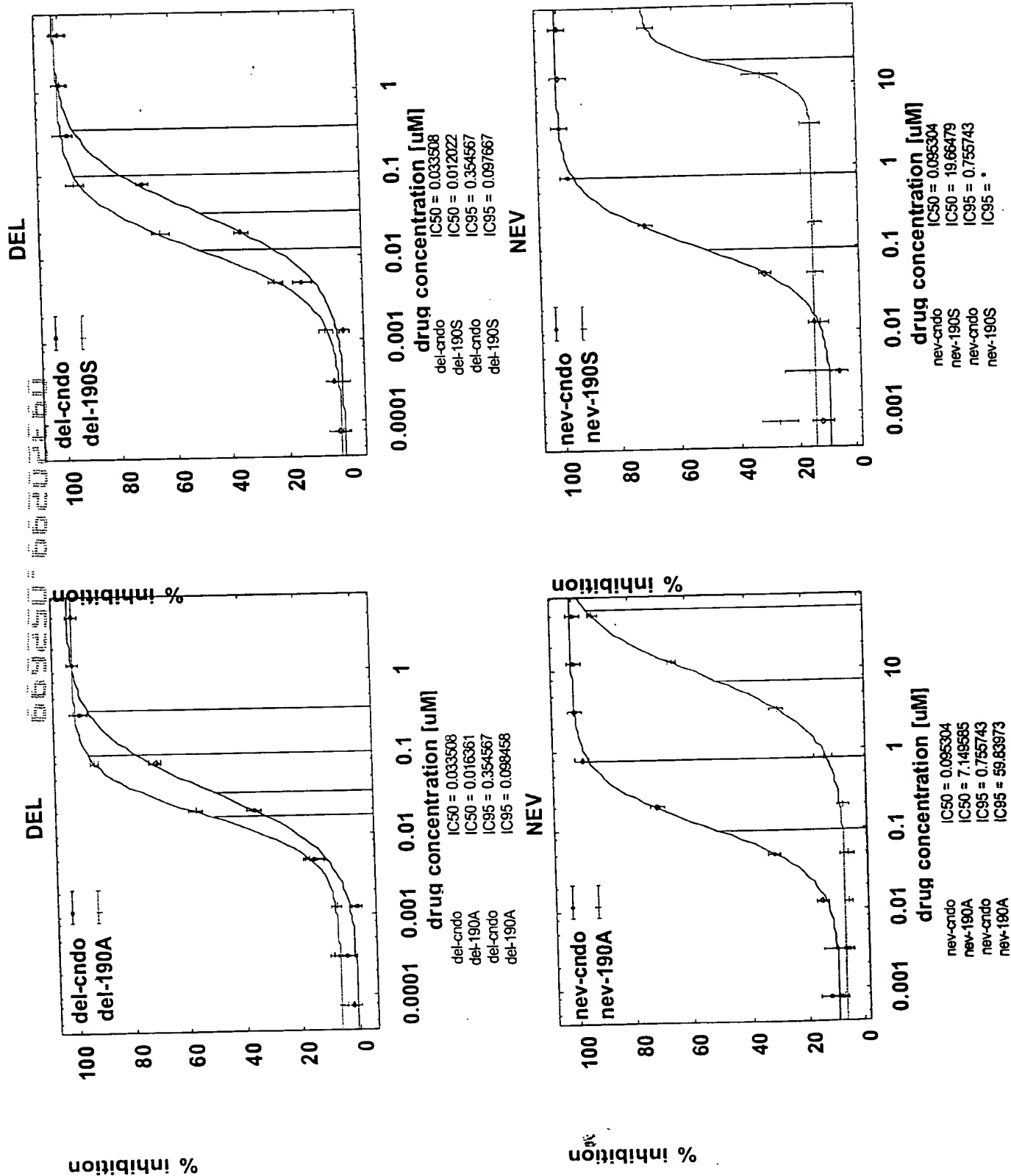


FIGURE 9B